Use Case "Pay Order"

1. Use case code
UC001

2. Brief Description
This use case describes the interactions between the AIMS software with the customer and Interbank when the customer desires to pay order

3. Actors
3.1   Customer

3.2   Interbank

4. Preconditions
The AIMS software has calculated the total amount of money which the customer has to pay.

5. Basic Flow of Events
5.1   The AIMS software displays the payment screen

5.2   The customer enters card info and confirm to pay order (Table A)

5.3   The AIMS software check if the card info is in correct format

5.4   The AIMS software asks the Interbank to pay order

5.5   The Interbank processes the transaction

5.6   The AIMS software displays transaction info and saves the payment transaction. (Table B)

6. Alternative flows

Table N-Alternative flows of events for UC Pay order

No	Location	Condition	Action	Resume location
1.	At Step 5.4	If the card info has wrong format	▪ The AIMS software notifies that the card info has wrong format	Resumes at Step 1
2.	At Step 5.5	If the card info is invalid	▪ The AIMS software notifies that the card info is invalid	Resumes at Step 1
3.	At Step 5.5	If the balance is not enough	▪ The AIMS software notifies that the balance is not enough	Reusumes at Step 1

7. Input data

Table A-Input data of Card information

No	Data fields	Description	Mandatory	Valid condition	Example
1.	cardCode	Mã thẻ	yes	String	123456789
2.	owner	Tên chủ tài khoản	yes	String	Tran Xuan Truong
3.	cvvCode	Mã cvv	yes		123456
4.	dateExpired	Ngày hết hạn của thẻ	yes		02/2025

8. Output data

Table B-Output data of Pay order 's Transaction

No	Data fields	Description	Display format	Example
1.	transactionId	Mã giao dịch		123484922
2.	codeCard	Mã thẻ		123456789
3.	owner	Tên chủ thẻ		Tran Xuan Truong
4.	transactionContent	Nội dung giao dịch		TRAN XUAN TRUONG order
5.	amount	Số tiền cần thanh toan		550.000
6.	createdAt	Thời điểm tạo giao dịch	Năm-tháng-ngày giờ:phút:giây	2021-10-13 11:07:32

9. Postconditions

10. Activity Diagram of Use case "Pay order"

act Activity Diagram Pay Order

User	AIMS Software	Interbank

- Enter card info
- Display payment screen
- Confirm pay order
- Check card info format

[Wrong format]

[Card info is invalid /Balance isn't enough]

- Send request to interbank
- Process transaction
- Display transaction info